

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PATENT

APPLICATION OF: Danny A. GRANT et al

SERIAL No.: 10/538,164

FILING DATE March 18, 2008

ART UNIT: 2629

EXAMINER: LIANG, REGINA

CONFIRMATION No.: 3279

ATTORNEY DOCKET No.: IMM152E (I103 1940US.5)

FOR: HAPTIC COMMUNICATION DEVICES

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants hereby make of record in the above-identified application, *this application is a National Stage Entry of International Application No. PCT/US03/38961 filed December 8, 2003, which Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002*, the documents listed on the attached Form SB/08.

Applicants have listed publication dates on the attached form SB/08 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated. Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not an issue.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Applicant(s) also request(s) that the Examiner review the below-listed patent applications, and refer to prosecution of same throughout prosecution of the present application. Applicant(s) do(es) not waive the confidential nature (if any) of the below-listed patent applications.

U.S. Patent Application No. 09/487,737 filed January 19, 2000,
now U.S. Patent No. 6429846, this application
is a Continuation in part of U.S. Patent Application No. 09/467,309 filed December 17, 1999

U.S. Patent Application No. 10/213,940 filed August 6, 2002,
now U.S. Patent No. 7148875, this application
is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,
is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998
is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No 10/615,986 filed July 10, 2003,

now U.S. Patent No. 7728820, this application

is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002

is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,

is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998

is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/340,997 filed January 27, 2006,

now U.S. Patent No. 7777716, this application

is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002

is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,

is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998

is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/405,811 filed April 17, 2006,

now U.S. Patent No. 7592999, this application

is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002

is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,

is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998

is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/414,122 filed April 28, 2006,

now U.S. Patent No. 7602384, this application

is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002

is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,

is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998

is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999

U.S. Patent Application No. 11/525,473 filed September 21, 2006, this application is a

Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002

is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000

is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999

is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998

is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/589,004 filed October 27, 2006, this application is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002 is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000, is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998 is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/805,609 filed May 23, 2007, this application is a Continuation of U.S. Patent Application No. 10/615,986 filed July 10, 2003 is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002 is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000, is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998 is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/805,621 filed May 23, 2007, now U.S. Patent No. 7768504, this application is a Continuation of U.S. Patent Application No. 10/615,986 filed July 10, 2003 is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002 is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000, is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998 is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/981,501 filed October 30, 2007, this application is a Continuation of U.S. Patent Application No. 11/405,811 filed April 17, 2006 is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002 is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000, is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998 is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/985,599 filed November 15, 2007, this application is a Continuation of U.S. Patent Application No. 11/805,609 filed May 23, 2007 is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002 is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000, is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999 is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998 is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/985,655 filed November 15, 2007, this application is a Continuation of U.S. Patent Application No. 11/805,609 filed May 23, 2007
is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002
is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,
is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998
is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/985,656 filed November 15, 2007, this application is a Continuation of U.S. Patent Application No. 11/805,609 filed May 23, 2007
is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002
is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,
is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998
is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 11/985,657 filed November 15, 2007
this application is a Continuation of U.S. Patent Application No. 11/805,609
is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002
is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,
is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998
is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 12/008,916 filed January 14, 2008, this application is a Continuation of U.S. Patent Application No. 11/405,811 filed April 17, 2006
is a Continuation of U.S. Patent Application No. 10/213,940 filed August 6, 2002
is a Continuation of U.S. Patent Application No. 09/487,737 filed January 19, 2000,
is a Continuation-in-part of U.S. Patent Application No. 09/467,309 filed December 17, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/253,132 filed February 18, 1999
is a Continuation-in-part of U.S. Patent Application No. 09/156,802 filed September 17, 1998
is a Continuation-in-part of U.S. Patent Application No. 09/103,281 filed June 23, 1998

U.S. Patent Application No. 09/917,263 filed July 26, 2001,
now U.S. Patent No. 6822635, this application
Claims Priority from U.S. Provisional Patent Application No. 60/274,444 filed March 9, 2001
is a Continuation-in-Part of U.S. Patent Application No. 09/487,737 filed January 19, 2000

U.S. Patent Application No. 10/919,648 filed August 17, 2004,

now U.S. Patent No. 7450110, this application

is a Division of U.S. Patent Application No. 09/917,263 filed July 26, 2001

Claims Priority from U.S. Provisional Patent Application No. 60/274,444 filed March 9, 2001

is a Continuation-in-Part of U.S. Patent Application No. 09/487,737 filed January 19, 2000

U.S. Patent Application No. 10/919,798 filed August 17, 2004,

now U.S. Patent No. 7,548,232, this application

is a Continuation of U.S. Patent Application No. 09/917,263 filed July 26, 2001

Claims Priority from U.S. Provisional Patent Application No. 60/274,444 filed March 9, 2001

is a Continuation-in-Part of U.S. Patent Application No. 09/487,737 filed January 19, 2000

U.S. Patent Application No. 11/981,041 filed October 30, 2007, this application

is a Continuation of U.S. Patent Application No. 10/919,798 filed August 17, 2004

is a Continuation of U.S. Patent Application No. 09/917,263 filed July 26, 2001

Claims Priority from U.S. Provisional Patent Application No. 60/274,444 filed March 9, 2001

is a Continuation-in-Part of U.S. Patent Application No. 09/487,737 filed January 19, 2000

U.S. Patent Application No. 11/981,220 filed October 30, 2007, this application

is a Continuation of U.S. Patent Application No. 10/919,798 filed August 17, 2004

is a Continuation of U.S. Patent Application No. 09/917,263 filed July 26, 2001

Claims Priority from U.S. Provisional Patent Application No. 60/274,444 filed March 9, 2001

is a Continuation-in-Part of U.S. Patent Application No. 09/487,737 filed January 19, 2000

U.S. Patent Application No. 11/981,221 filed October 30, 2007, this application

is a Continuation of U.S. Patent Application No. 10/919,798 filed August 17, 2004

is a Continuation of U.S. Patent Application No. 09/917,263 filed July 26, 2001

Claims Priority from U.S. Provisional Patent Application No. 60/274,444 filed March 9, 2001

is a Continuation-in-Part of U.S. Patent Application No. 09/487,737 filed January 19, 2000

U.S. Patent Application No. 11/981,252 filed October 30, 2007, this application

is a Continuation of U.S. Patent Application No. 10/919,798 filed August 17, 2004

is a Continuation of U.S. Patent Application No. 09/917,263 filed July 26, 2001

Claims Priority from U.S. Provisional Patent Application No. 60/274,444 filed March 9, 2001

is a Continuation-in-Part of U.S. Patent Application No. 09/487,737 filed January 19, 2000

U.S. Patent Application No. 10/538,160 filed March 20, 2007,

this application is a National Stage Entry of International Application No. PCT/US03/38899 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

U.S. Patent Application No. 10/538,161 filed June 19, 2006,

this application is a National Stage Entry of International Application No. PCT/US03/38862 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

U.S. Patent Application No. 10/538,162 filed June 13, 2006, now U.S. Patent No. 7779166, this application is a National Stage Entry of International Application No. PCT/US03/38868 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

U.S. Patent Application No. 10/538,163 filed June 2, 2006
this application is a National Stage Entry of International Application No. PCT/US03/38900 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

U.S. Patent Application No. 11/226,057 filed September 13, 2005, this application is a Continuation-in-part of U.S. Patent Application No. 10/538,160 filed March 20, 2007 is a National Stage Entry of International Application No. PCT/US03/38899 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

U.S. Patent Application No. 11/226,893 filed September 13, 2005, this application is a Continuation-in-part of U.S. Patent Application No. 10/538,160 filed March 20, 2007 is a National Stage Entry of International Application No. PCT/US03/38899 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

U.S. Patent Application No. 11/226,910 filed September 13, 2005, this application is a Continuation-in-part of U.S. Patent Application No. 10/538,160 filed March 20, 2007 is a National Stage Entry of International Application No. PCT/US03/38899 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

U.S. Patent Application No. 11/226,915 filed September 13, 2005, this application is a Continuation-in-part of U.S. Patent Application No. 10/538,160 filed March 20, 2007 is a National Stage Entry of International Application No. PCT/US03/38899 filed December 8, 2003 Claims Priority from U.S. Provisional Patent Application No. 60/431,662 filed December 8, 2002

The applicant requests that the examiner initial and return a copy of the enclosed Form SB/08 to indicate in the official file wrapper that each item has been considered. One copy of each reference is submitted herewith, except that copies of U.S. patent documents are not provided pursuant to 37 CFR 1.98(2)(ii). Copies of documents marked with an asterisk are also not provided as they are already of record in one or more of the co-pending U.S. Patent Applications listed above.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required. 37 C.F.R. §1.97(b).

Respectfully submitted,
WOMBLE CARLYLE SANDRIDGE & RICE PLLC

By /Hean L Koo/
Hean L. KOO
Reg. No. 61,214

Date: September 20, 2010

Customer No. 69490